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TI Manufacture of water-permeable concrete using waste materials
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PA Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 4 pp.
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DT Patent
LA Chinese
IC ICM C04B028-04
ICS C04B014-02; C04B018-04; C04B014-38
CC 58-2 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 60
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1346813	A	20020501	CN 2001-128272	20011010
PRAI	CN 2001-128272		20011010		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 1346813	ICM	C04B028-04
	ICS	C04B014-02; C04B018-04; C04B014-38

AB The concrete is manufd. from 270-345 kg/m3 **cement**, 25-35% (of the wt. of **cement**) stone, 125-135 kg/m3 water, and waste sand or natural sand. The raw material may further contain **fly ash** 5-20, SiO2 gel powder 5-20, furnace **slag** 10-40, **zeolite** 5-30, rubber emulsion 5-20, C fiber 0.5-4, pigment 15-20 kg/m3, and high AE water reducing agent 1-3% (of the wt. of **cement**). The obtained concrete has porosity of 15-30%, high mech. strength, and high permeability.
ST concrete waste water permeability porosity strength; **cement** stone sand **fly ash slag** concrete; **zeolite** rubber carbon fiber concrete; pigment water reducing agent concrete
IT Rubber, processes
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(emulsion, raw material; for manuf. of water-permeable con